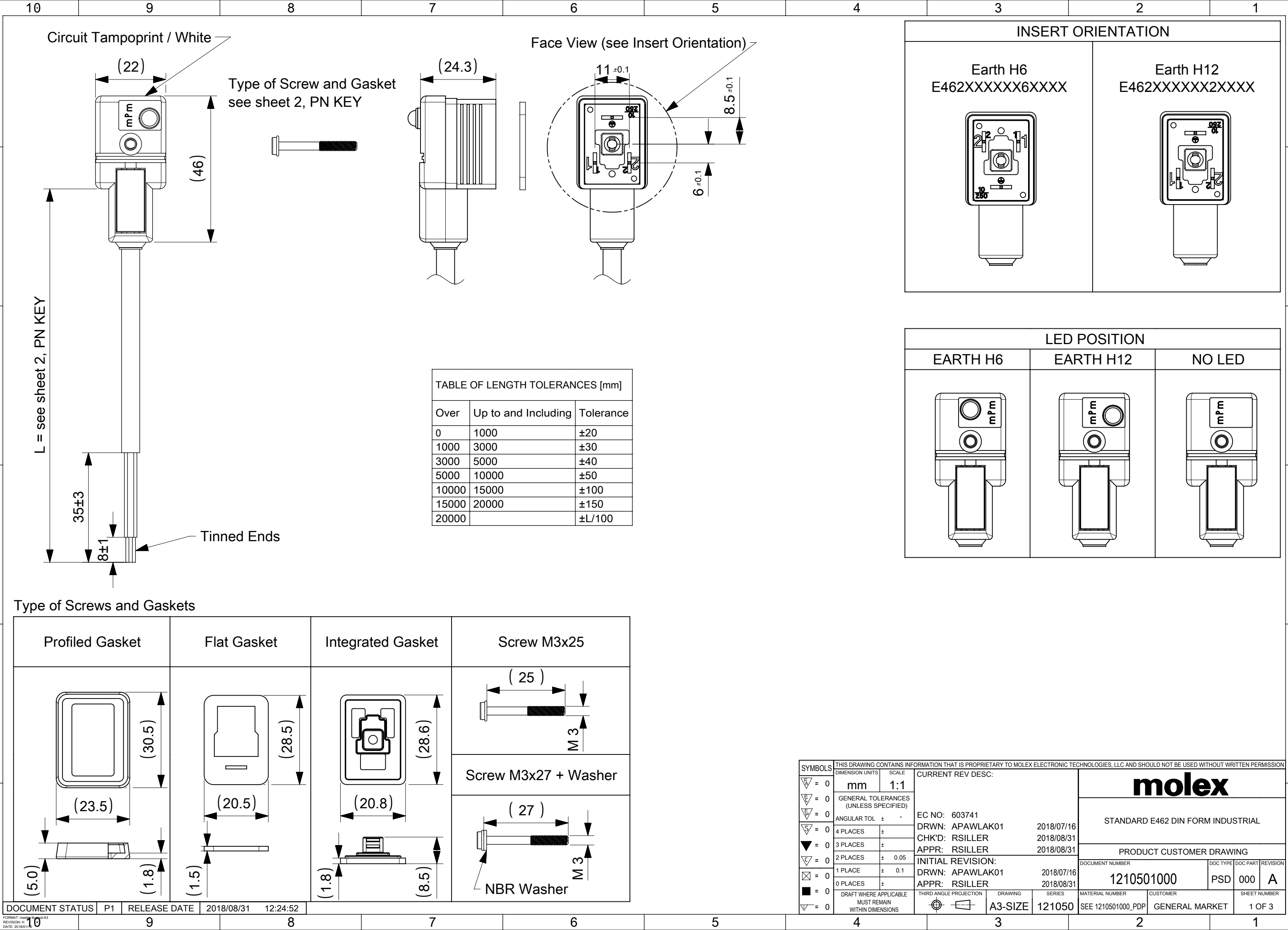




PN KEY ENGINEERING PN

E

4

6

2

X

X

X

X

X

X

X

X

X

X

X

E - Packing without bag
W - Single Packing

Number of wires:
2 - 2 Wires + Earth

Cable type:
See Table

Head Colour:
G - Grey
N - Black
A - CSA-UL Black
B - CSA-UL Grey

Cable Length in[cm]
050 = 50cm
300 = 300cm
10K = 1000cm

Earth PIN location (see insert orientation table):
2 = Earth on H12
6 = Earth on H6

Wiring Configuration:
See sheet 3

Voltage and Led Colour

Red Led:	Green Led:	Yellow Led:
1 = 12V	A = 12V	G = 12V
2 = 24V	B = 24V	H = 24V
3 = 48V	C = 48V	K = 48V
4 = 115V	D = 115V	L = 115V
5 = 230V	E = 230V	M = 230V

Type of Gasket and Screw (see sheet 1):
1 = NBR Profile Gasket + Fixing Screw M3x25mm
2 = NBR Flat Gasket + Fixing Screw M3x25mm
3 = Silicone Profile Gasket + Fixing Screw M3x25mm
4 = Silicone Flat Gasket + Fixing Screw M3x25mm
P = NBR Integrated Gasket + Fixing Screw with Washer M3x27mm Assembled on Connector
R = NBR Integrated Gasket + Fixing Screw with Washer M3x27mm NOT Assembled on Connector
T = NBR Profile Gasket + Fixing Screw with Washer M3x27mm

CABLE TYPE	NO. OF WIRES	CROSS SECTION	CABLE O.D.	CABLE JACKET	UL	CSA	STATIC: TEMP. / BENDING RADIUS	DYNAMIC: TEMP. / BENDING RADIUS	SHIELD
A2	3	AWG 20	5.6mm±0.2	PVC BLACK	UL 2661	CSA C22.2	-30°C to +105°C, 10xO.D.	-5°C to +105°C, 15xO.D.	-
A3	3	AWG 18	6.5mm±0.25	PVC BLACK	UL 2661	CSA C22.2	-30°C to +105°C, 10xO.D.	-5°C to +105°C, 15xO.D.	-
B2	3	AWG 20	5.6mm±0.2	PUR BLACK	UL 20668	CSA C22.2	-40°C to +90°C, 5xO.D.	-25°C to +90°C, 10xO.D.	-
B3	3	AWG 18	6.5mm±0.2	PUR BLACK	UL 20668	CSA C22.2	-40°C to +90°C, 5xO.D.	-25°C to +90°C, 10xO.D.	-
F4	3	1mm²	7.1mm+0.2	PVC GREY	-	-	-15°C to +70°C, 10xO.D.	-5°C to +60°C, 15xO.D.	-
I0	3	1mm²	7.6mm±0.2	PVC GREY	-	-	-25°C to +70°C, 10xO.D.	-5°C to +70°C, 15xO.D.	YES
I2	3	0.5mm²	5.5mm+0.3	PVC GREY	-	-	-25°C to +70°C, 10xO.D.	-5°C to +70°C, 15xO.D.	-
I3	3	0.75mm²	6.0mm±0.2	PVC GREY	-	-	-25°C to +70°C, 10xO.D.	-5°C to +70°C, 15xO.D.	-
I4	3	1mm²	7.1mm+0.2	PVC GREY	-	-	-25°C to +70°C, 10xO.D.	-5°C to +70°C, 15xO.D.	-
N2	3	0.5mm²	5.6mm±0.7	PVC BLACK	-	-	-20°C to +70°C, 3xO.D.	-15°C to +70°C, 5xO.D.	-
N3	3	0.75mm²	6.8mm±0.8	PVC BLACK	-	-	-20°C to +70°C, 3xO.D.	-15°C to +70°C, 5xO.D.	-
N4	3	1mm²	7.15mm±0.85	PVC BLACK	-	-	-20°C to +70°C, 3xO.D.	-15°C to +70°C, 5xO.D.	-
P1	3	0.34mm²	5.3mm±0.2	PUR BLACK	-	-	-25°C to +80°C, 10xO.D.	-5°C to +80°C, 15xO.D.	
P2	3	0.5mm²	5.5mm+0.3	PUR BLACK	-	-	-40°C to +90°C, 7.5xO.D.	-15°C to +90°C, 12.5xO.D.	-
P3	3	0.75mm²	6.5mm±0.2	PUR BLACK	-	-	-40°C to +90°C, 7.5xO.D.	-15°C to +90°C, 12.5xO.D.	-

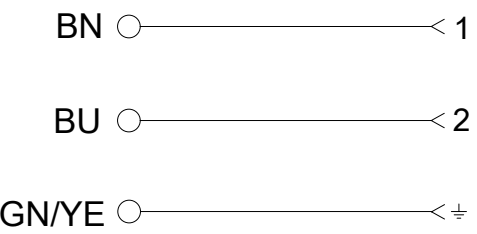
Notes:

1. Please see excel sheet 1210501000_PDP for currently configured part numbers.
2. Drawing is a replacement for: SD-121050-003

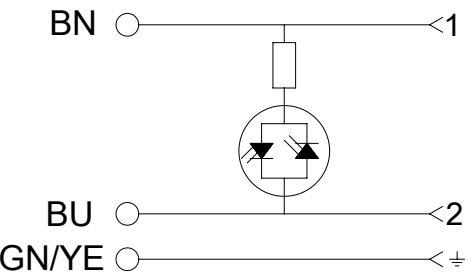
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	 = 0	<table><tr><td>DIMENSION UNITS</td><td>SCALE</td></tr><tr><td>mm</td><td>1:1</td></tr></table>	DIMENSION UNITS	SCALE	mm	1:1
	DIMENSION UNITS	SCALE				
	mm	1:1				
	 = 0	GENERAL TOLERANCES (UNLESS SPECIFIED)				
	 = 0					
	 = 0	ANGULAR TOL ± °				
 = 0	4 PLACES ±					
 = 0	3 PLACES ±					
 = 0	2 PLACES ± 0.05					
 = 0	1 PLACE ± 0.1					
 = 0	0 PLACES ±					
= 0	DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS					
= 0	THIRD ANGLE PROJECTION					
CURRENT REV DESC:						
EC NO: 603741						
DRWN: APAWLAK01 2018/07/16						
CHK'D: RSILLER 2018/08/31						
APPR: RSILLER 2018/08/31						
INITIAL REVISION:						
DRWN: APAWLAK01 2018/07/16						
APPR: RSILLER 2018/08/31						
DOCUMENT NUMBER						
1210501000						
DOC TYPE						
PSD						
DOC PART						
000						
REVISION						
A						
MATERIAL NUMBER						
SEE 1210501000_PDP						
CUSTOMER						
GENERAL MARKET						
SHEET NUMBER						
2 OF 3						

WIRING DIAGRAMS

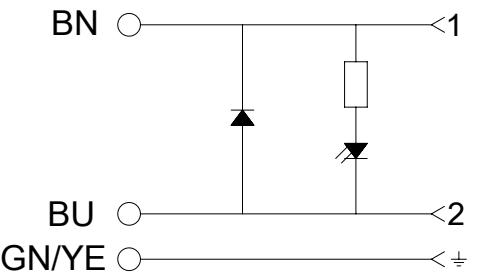
ELECTRICAL DIAGRAM 00



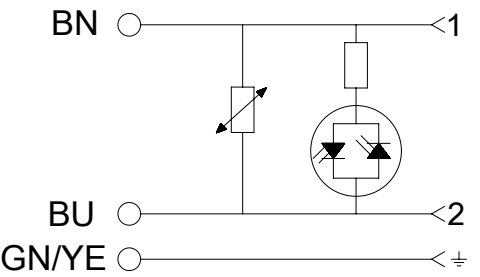
ELECTRICAL DIAGRAM A1



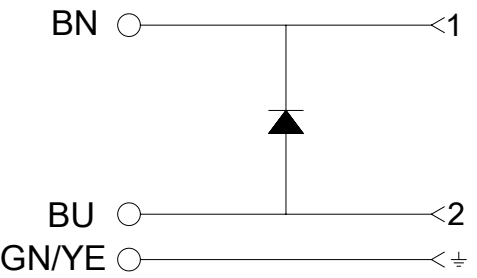
ELECTRICAL DIAGRAM C3



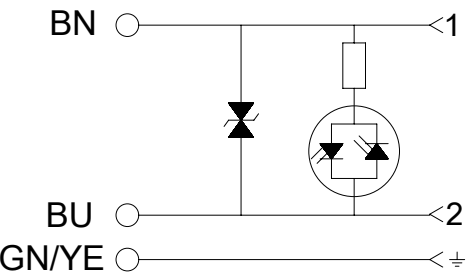
ELECTRICAL DIAGRAM C4



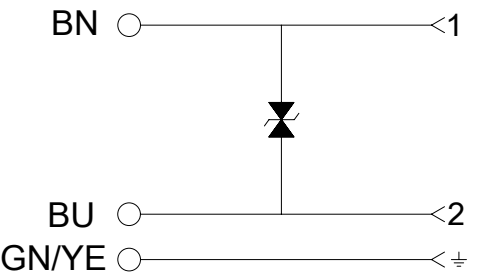
ELECTRICAL DIAGRAM E0



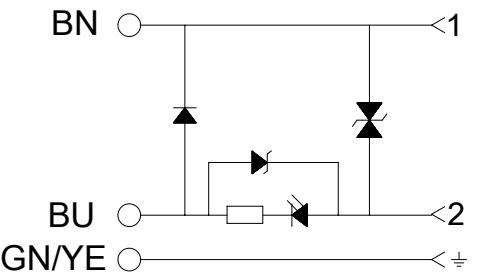
ELECTRICAL DIAGRAM S0



ELECTRICAL DIAGRAM S1



ELECTRICAL DIAGRAM NS



Technical Spec:
Supply Voltage: See PN KEY
Max. current: 5A; A1-C4-S0
1,5A; R2
Contact Resistance: ≤15milliohms max.
Operating Temperature:
with NBR Gasket: -40°C +90°C
with Silicone: -40°C +125°C

SYMBOLS	THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX ELECTRONIC TECHNOLOGIES, LLC AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION													
 = 0	DIMENSION UNITS		SCALE		CURRENT REV DESC:									
	mm		1:1											
 = 0	GENERAL TOLERANCES (UNLESS SPECIFIED)				EC NO: 603741					STANDARD E462 DIN FORM INDUSTRIAL				
 = 0														
 = 0	ANGULAR TOL ± °				DRWN: APAWLAK01 2018/07/16					PRODUCT CUSTOMER DRAWING				
 = 0	4 PLACES ±				CHK'D: RSILLER 2018/08/31									
 = 0	3 PLACES ±				APPR: RSILLER 2018/08/31									
 = 0	2 PLACES ± 0.05				INITIAL REVISION:					DOCUMENT NUMBER				
 = 0	1 PLACE ± 0.1				DRWN: APAWLAK01 2018/07/16									
 = 0	0 PLACES ±				APPR: RSILLER 2018/08/31					1210501000		DOC TYPE	DOC PART	REVISION
 = 0	DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS				THIRD ANGLE PROJECTION		DRAWING		SERIES					
= 0					A3-SIZE		121050		MATERIAL NUMBER		CUSTOMER		SHEET NUMBER	
									SEE 1210501000_PDP		GENERAL MARKET		3 OF 3	

DOCUMENT STATUS	P1	RELEASE DATE	2018/08/31	12:24:52
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